



## MATERIAL SAFETY DATA SHEET

24 HOUR EMERGENCY CHEMTREC TELEPHONE 1-(800)-424-9300

24 HOUR MEDICAL EMERGENCY TELEPHONE 1-(888)-324-7596

WD-40 COMPANY, 1061 Cudahy Place (92110), P.O. Box 80607, San Diego, CA 92138-0607

TELEPHONE (732)-452-1077

DATE PREPARED: November, 2001

### I. GENERAL INFORMATION

PRODUCT NAME: 2000 Flushes Automatic Bowl Cleaner (CUP)

PRODUCT CATEGORY: Toilet Bowl Cleaner

### II. INGREDIENTS

HAZARDOUS INGREDIENTS:	%	CAS #	TLV	HAZARD DATA:
Calcium Hypochlorite	21-24	7778-54-3	None established	Oxidizer/Corrosive
Calcium Chlorate	0-1.6	10137-74-3	None established	Toxic/Potential Explosive
Calcium Chloride	0-1.6	10043-52-4	None established	Irritant
Calcium Hydroxide	0-1.3	1305-62-0	5mg/m3	Corrosive
Calcium Carbonate	0-1.3	471-34-1	10mg/m3	Irritant

### III. HEALTH HAZARD DATA

#### EFFECTS OF OVEREXPOSURE:

**INHALATION:** Irritating to the nose, mouth, throat, and lungs. May cause respiratory tract irritation with shortness of breath, wheezing, choking or chest pain. Asthma and respiratory and cardiovascular diseases may be aggravated by exposure.

**EYE:** Can cause severe irritation and/or burns. Direct contact may cause impairment of vision and corneal damage.

**SKIN:** Can cause severe irritation and/or burns.

**INGESTION:** Irritation and/or burns due to hypochlorite can occur to the entire gastrointestinal tract, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or ulceration. The inert base (marble chips), if ingested by small children, could cause choking by airway obstruction.

This compound is not known or reported to be carcinogenic by IARC, OSHA, NTP or EPA.

#### FIRST AID PROCEDURE:

**EYES:** Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician at once.

**SKIN:** Immediately flush with water for at least 15 minutes. Call a physician. If clothing comes in contact with the product, it should be removed immediately and laundered before reuse.

**INGESTION:** Immediately drink large quantities of water. Do not induce vomiting. Call a physician at once. Give nothing by mouth if unconscious or having convulsions.

**INHALATION:** Remove victim to fresh air. Support respiration if needed. Call a physician.

### IV. SPECIAL PROTECTION INFORMATION

**EYE PROTECTION:** Avoid eye contact.

**SKIN PROTECTION:** Wear protective neoprene or PVC gloves when handling dry container contents.

**RESPIRATORY PROTECTION:** Avoid breathing dust.

**VENTILATION:** Use adequate ventilation.

## V. FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE LIMITS: Non-flammable.

EXTINGUISHING MEDIA: Not applicable.

SPECIAL FIRE FIGHTING PROCEDURES: Use water to cool containers exposed to fire. Do not use dry extinguishers containing ammonium compounds.

UNUSUAL FIRE/EXPLOSION HAZARDS: Wear self-contained breathing apparatus (SCBA), as well as standard fire protective clothing.

## VI. ENVIRONMENTAL PROTECTION PROCEDURES

SPILL RESPONSE: Neutralize before disposal. Contact CHEMTREC or manufacturer at 1-800-OLIN-911.

WASTE DISPOSAL METHOD: If this product becomes a waste, it is defined as a hazardous waste under 40 CFR 261 and has the following EPA hazardous waste number: D001.

AS a hazardous solid waste, must be disposed of in accordance with local, state, and federal regulations in a permitted hazardous waste treatment, storage and disposal facility.

## VII. SPECIAL PRECAUTIONS

HANDLING/STORAGE/TRANSPORTATION: Keep tightly sealed, store in a cool, dry well-ventilated area. Do not store above 52°C (125°F).

## VIII. REACTIVITY DATA

STABILITY: Avoid high temperature and humidity.

INCOMPATIBILITY: Acids, other oxidizers, organic materials, nitrogen containing compounds and all corrosive liquids, flammables or combustible materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine gas

## IX. PHYSICAL DATA

BOILING POINT (°F): Not applicable. SPECIFIC GRAVITY (H<sub>2</sub>O=1): Not applicable.

VAPOR PRESSURE (mm Hg): Not applicable. % VOLATILE BY VOLUME: Not applicable.

VAPOR DENSITY (AIR=1): Not applicable. pH: @ 25°C - 10.5-11.5 (1% solution)

SOLUBILITY IN WATER: (Hypochlorite Granules only) 10% @ 25°C with white residue.

DECOMPOSITION TEMPERATURE: 177°C (350°F).

APPEARANCE AND ODOR: White granules in inert marble chip base; chlorine odor.

The information provided in this Material Safety Data Sheet has been compiled from our experience and data with similar, commercially available materials and is believed to be accurate. No guarantee of accuracy is made. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and disposal procedures.

SIGNATURE: Ken Ward



TITLE: Director - Research & Technology

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